

Medisafe

®

Complex Surgical Instrument Reprocessing

World Leaders in Hi-Tech Surgical Reprocessing Solutions



Sonic Irrigators & Ultrasonics
Sonic Washer Disinfectors / Washer Disinfectors
Complex Instrument Care & Handling
Detergents & Accessories
Point of Use Preparation

Why Medisafe?

- Pioneered Sonic Irrigation over 30 years ago.
- Over 10,000 units installed globally.
- Designed and manufactured in the UK.
- Recognized by the world's leading surgical instrument manufacturers such as Intuitive Surgical Inc., Wolf, Storz, Conmed, Stryker and BOSS.

Medisafe's Sonic Irrigator series reduces the need for manual brushing and flushing of instruments, reducing the risk of cross contamination to the CS/SPD personnel and increasing patient safety. Designed and manufactured to meet all national and international decontamination standards, this innovative equipment will help to improve productivity within the CS/SPD by reducing manual handling of potentially contaminated surgical instruments.



This brochure is intended as a guide.

Specifications and technical information are correct at time of going to print, but manufacturers have the right to change the specifications without notice.

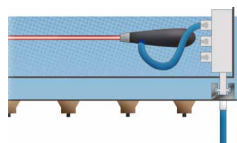
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Sonic Irrigation – how does it work and why is it required?

By regulating ultrasonic sonic waves onto a controlled jet of fluid, an effective cleaning process is achieved on both the inside and the outside of each surgical instrument. The combination of ultrasonic technology and controlled irrigation are of vital importance when cleaning modern complex lumened / cannulated surgical instruments.

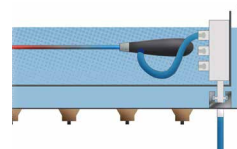
Thorough cleaning of surgical instruments requires mechanical action (sonics), water and suitable detergent. The absence of any one of these parameters in any cleaning process will lead to an unsatisfactory cleaning result. Flushing the inside of a lumened instrument alone will not produce the required mechanical action to assist in the removal of dried on bioburden and soil. Equally, ultrasonics alone will only be effective on lumened devices if the air within the device is replaced with water and detergent. Ultrasonic activity needs a liquid to be effective as ultrasonic cavitation cannot occur when only air is present.

Medisafe's controlled irrigation system also facilitates the rapid removal of any soil/bioburden that has been lifted from the instruments inner surface. Only when you combine controlled irrigation with efficient ultrasonic activity, can you successfully and consistently remove debris from the inner / irregular surfaces, channels and lumens of instruments used within modern complex surgery.



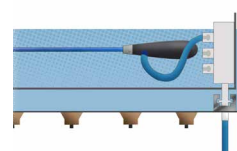
1. Sonic Irrigation – Energy for Cleaning

A unique and patented process allows a sonically charged jet of fluid to pass along the inside of hollow instruments. This ensures that your instruments are exposed to ultrasonic cleaning and a pulsed flushing or turbulent wash on all surfaces, interior and exterior.



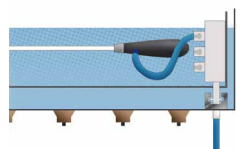
2. Detergent – Chemicals for Cleaning

The detergent/cleaning solution is delivered under pressure to the inside of the instrument. All air pockets are removed ensuring the cleaning solution can make contact with all surfaces and therefore facilitating the removal of all soil and bioburden.



3. Rinsing - Deep Clean - (Optional disinfection)

The inside of the instruments are exposed to pre wash, wash, disinfection (optional) and rinse fluids. This is also delivered under pressure ensuring that even the most complex instruments can be processed.



4. Cleans - Inside & Out

Sonic Irrigation helps to reach the parts other washers can't reach - both inside and out!

Key - Sonic Irrigation Icons

All our Washer Disinfectors / Sonic Irrigators have unique elements. The keys are below.

Sonic Irrigation: Combination of controlled irrigation and sonics to facilitate inner lumen cleaning.

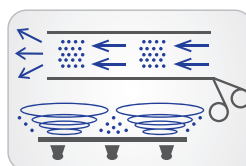
Lumen Flush: Controlled irrigation of cleaning solution through the lumen.

Power Flush: High pressure irrigation to facilitate cleaning through complex lumens.

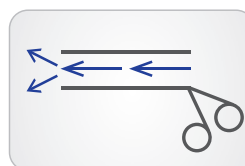
Deluge Wash: Powerful overhead spray of temperature controlled water to aid the removal of blood and other residues from the external surfaces of the instrument.

Thermal Disinfection: Final rinse at elevated temperature to thermally disinfect the surgical instrument.

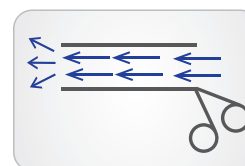
Time: All pre-set programs are validated to ensure the correct amount of process exposure time is adhered to each and every cycle.



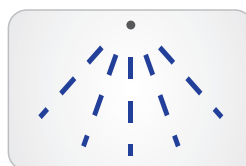
Sonic Irrigation



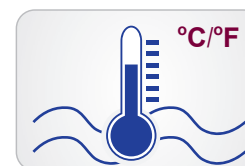
Lumen Flush



Power Flush



Deluge Wash



Thermal Disinfection
(optional on some units)

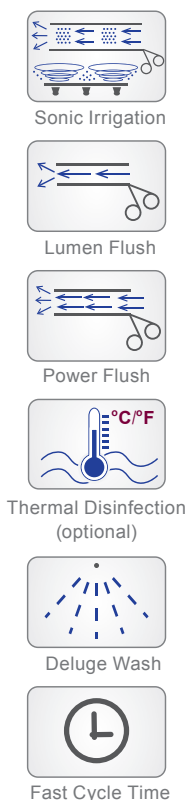


Fast Cycle Time

SI PCF

High Pressure Sonic Irrigation Washer Disinfecter

The Sonic Irrigator PCF will clean and disinfect 20 to 40 lumened instruments in a single uninterrupted cycle. The instrument reprocessing workstation can be used as a standalone unit, twin or multiple wash station. The SI PCF System ~ Parametrically Controls the Flow through the lumened devices optimizing both mechanical and chemical cleaning action inside the cannula while simultaneously controlling the propagation of unwanted wash foam build up.



The optional inline **Thermal Disinfection System** is used to raise the temperature of the water in the rinse phase following both internationally recognized time temperature relationships and the A0 calculation. The PCF System ensures all surfaces internal and external are exposed and are disinfected almost regardless of their length or bore.

Unlike conventional washers, the Sonic Irrigator PCF delivers an exceptionally high pressure of wash fluid to the lumened instrument or device. Both the CPET™ (Cannulated Pulse Enhancement) and **“Power Flush”** systems have been scientifically tested to remove 92% of soluble residues in the first 20 seconds of the pre-wash phase, and the remainder of insoluble residues in the main wash phase.

Benefits & features include:

- Sonic Irrigation
- Easy control: touch screen interface
- Thermal disinfection (A0 3000)*
- Instrument manufacturer approved
- 20+ cannulated instruments
- Water utilization program
- Traceability system compatibility
- EN ISO 15883 compliant
- AAMI TIR 30 & 12 compliant
- High volume throughput
- Automatic locking lid



Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumened instruments

Dimensions (external):

Height: 39.5" - with lid closed

Width: 33.46"

Depth: 25.5"

Unit weight: 302lbs with accessories

Capacity:

20+ MIS Instruments, up to 10 Robotic Instruments, 44lbs of General Surgical Instruments

| | |
|----------------|--|
| Order # | PCFSTD14 - Standard PCF Washer |
| | PCFSTD14 - Standard PCF Washer with Thermal Disinfection |
| | PCFIS14 - Includes Robotic approved cleaning program |
| | PCFIS14 - Includes Robotic approved cleaning program with Thermal Disinfection |

Electrical: 208V / 3 phase / 60Hz

Electrical Power: 15kW (3 PH)

Water Supply: Softened cold and hot water (Option for RO water)

Environmental: For indoor use at altitudes up to 5741 ft.

Operating temperature: 50-104 °F.

Humidity: 80% for temperature up to 81.8 °F decreasing to 50% at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with brushed finish

SI PCF comes complete with:

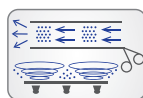
Auto pre-wash / spray rinse lid, Seiko document printer, auto injection enzymatic/instrument lube module, accessory kit, drop + lock basket, 1x detergent intake hose, 1x Hot water intake hose, 1x Cold water intake hose, 1x Powercord, 2x Drain hose + overflow hose & 1x 2.5 gallon 3Ezyme detergent.

SI Semi-Auto

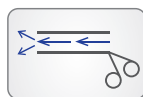
The World's First & Original Sonic Irrigator with Automatic Fill and Detergent Dosing

With thousands of machines installed globally, the Sonic Irrigator Semi-Automatic has proven its ability to clean 12 cannulated instruments in a single uninterrupted cycle. It offers automatic cannulated instrument cleaning. The machine will fill, dose detergent, flush and empty at the touch of a button making this system versatile and easy to use.

In the water utilization mode the machine will fill and run the cleaning cycle automatically with auto detergent dosing, irrigation and ultrasonics. At the end of cycle the water can be drained automatically when acknowledged by the user or reused if required. The SI SA has twin CPE irrigation systems offering a higher lumen flushing capacity and throughput over conventional ultrasonic cleaners.



Sonic Irrigation



Lumen Flush



Fast Cycle Time

Benefits & features include:

- Sonic Irrigation
- Easy control: touch screen interface
- Twin cannulated pulse flush system
- Sonic load performance optimisation
- Independent process monitoring output
- EN ISO 15883 compliant
- High volume throughput
- Water utilization program
- Process interlock
- 6 to 12 cannulated instruments connections

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumened instruments

Dimensions (external):

Height: 15.74" with lid closed

Width: 28.34"

Depth: 22.44"

Unit weight: 84lbs with accessories

Capacity:

12 Cannulated Instruments (max), 30lbs of General Surgical Instruments

Electrical Supply: 120V, 60Hz

Electrical Power: 2 kW

Water Supply: Softened cold and hot water.

Environmental: For indoor use at altitudes up to 5741 ft.

Operating temperature: 50-104 °F

Humidity:

80% for temperature up to 87.8 °F decreasing to 50% at 104 °F

Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with brushed finish

SI Semi Auto comes complete with:

1 x 6ft Hot Water Hose, 1 x 6ft Cold Water Hose, 1 x 6ft Drain Hose, 1 x 3ft Overflow Hose, Chemical Intake Tube, User Manual, SI SA Basket, Instrument Organizer, Irrigation Plumbing Kit, Data Lead.

Order #

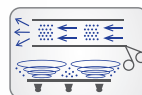
MED11160USA

SI Digital PC⁺

The World's First & Original Sonic Irrigator

The Sonic Irrigator Digital PC⁺ gives consistent and unequalled cleaning results every time you use it! The SI Digital PC⁺ offers Sonic Irrigation with CPE (Cannulated Pulse Flushing System) but with the addition of monitoring features to record key performance data for instrument traceability.

Critical process parameters such as time, temperature and ultrasonic power are monitored in accordance with current guidelines and international standards and can be recorded permanently through a discreetly placed 'data-port', which intelligently detects whether you wish to keep the information on a database system, or simply connect a printer for 'hard-copy' print out for 'traceability' and legislative issues.



Sonic Irrigation



Lumen Flush



Fast Cycle Time

Benefits & features include:

- Sonic Irrigation
- Easy control: touch screen interface
- Cannulated Pulse Flushing System
- Load performance optimization
- EN ISO 15883 compliant
- E-Zee load tray system compatibility
- Process interlock
- 6 to 12 cannulated instruments connections
- Pre settable process times

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumened instruments

Dimensions (external):

Height: 13.5" with lid closed

Width: 28" + drain 1.5"

Depth: 17.5"

Unit weight: 66lbs empty

Capacity:

12 Cannulated Instruments (max), 30lbs of General Surgical Instrument compatible

Electrical Supply: 120v, 60Hz

Electrical Power: 2 kW

Water Supply: Manual supply, not automatic

Environmental: For indoor use at altitudes up to 6561ft

Operating temp: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for Pollution Degree 2, ie. not totally sealed.

Construction: Outer Casing: High grade corrosion resistant stainless steel with brushed finish.

Sonic Irrigator comes complete with:

1 x 7.8ft Cold Water Hose, 1 x 7.8ft Drain Hose,

1 x 6.5ft Power Cord (connected), Data Lead, User Manual

SI Digital PC+ Basket, Instrument Organizer & Irrigation Plumbing Kit

Order # MED1132.1

PCF PRO 60



PCF Pro 60 (60 lumen instruments)

Exceeds cleaning requirements for robotic instruments and is a high instrument capacity Sonic Irrigation System.

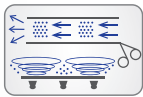
- Dedicated baskets for up to 30 robotic instruments
- High pressure Sonic Irrigation
- Fully approved process; pre-wash, wash, rinse and air purge for drying lumens
- Easy Load - automatic basket lifting and lowering systems (stops each basket at the optimum height for fast instrument tray loading)
- Immersible Ultrasonic Transducer Packs provide side sweep technology to ensure 100% coverage of wash chamber, enhanced performance, greater cleaning capacity and maximum flexibility
- Reflectasonic wash chamber coating minimizes pitting for extra-long service life
- Integrated data port for machine cycle traceability
- Ultra quiet – fully enclosed chamber minimizes process noise

Additional carriers available:

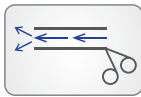
- Optho basket; dedicated to ophthalmic instruments
- Ortho basket; dedicated to orthopedic instruments
- Lap basket; dedicated to laparoscopic instruments
- Robotic basket; dedicated to robotic instruments

PCF Pro 120 (120 lumen instruments)

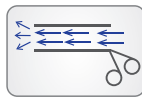
– Doubles instrument capacity of the PCF Pro 60 listed above!



Sonic Irrigation



Lumen Flush



Power Flush



Deluge Wash



Fast Cycle Time

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumened instruments

Dimensions (external):

- Height: 43.5"
- Width: 49.6"
- Depth: 34"

Capacity:

60 cannulated surgical instruments

Electrical Supply: 208-220Vac 60Hz

Water Supply: Softened cold and hot water (Option for DI or RO water)

Environmental: For indoor use at altitudes up to 6561ft

Operating temperature: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

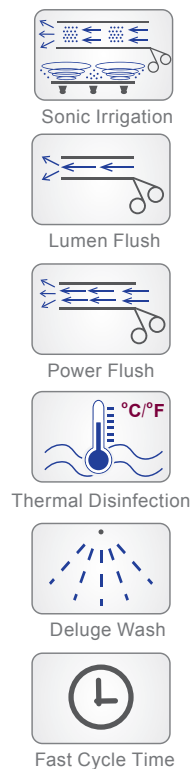
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| Order # | MED11180USA – PCF PRO 60 |
| | PCFPRO120STD - PCF PRO 120 |

Niagara SI PCF

High Pressure Ultra Sonic Lumen Flushing for the World's most complex Instruments



This high capacity system with outstanding performance simplifies daily processes, dramatically reduces cleaning time, (process 144 complex lumened instruments in as little as 29 minutes), increases staff safety, productivity and saves on overall reprocessing costs. This versatile system is designed to meet the growing demands in today's Sterile Processing Departments. The Niagara SI PCF has a built in ultrasonic chamber for Sonic Irrigation cleaning of 48 lumened or 20 robotic instruments.



Validated to reprocess:

Complex Instruments, Laparoscopic Instruments, Ophthalmic Instruments, Neuro Instruments, Orthopaedic instruments, general instruments

Benefits & features include:

- Automatic instrument soak
- Automatic instrument priming
- High pressure lumen flushing
- Combined ultrasonic processing
- 15 DIN capacity
- Up to 144 lumened instruments
- Sonic Irrigation
- Forced air lumen drying
- Variable heating options
- Full traceability system compatibility

Machine Specification

Use: For internal and external cleaning of general surgical, anaesthesia, lumened, robotic instruments and theater shoes.

Dimensions (external):

Height: 86.7"

Width: 45.3"

Depth: 42.8"

Capacity:

15 DIN Tray/ baskets

Electrical Supply: 208-220V 60Hz

Electrical Power: 40kW (3PH + PE)

Order # Med1412DD-PCF Niagara SIPCF – Includes Robotic cleaning program

Water Supply: Softened cold and hot water (Option for DI or RO water)

Air Supply: 79.7 - 101.5 PSI

Environmental: For indoor use at altitudes up to 6561ft

Operating temperature: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

Niagara SI PCF comes complete with:

1 loading / 1 unloading standard trolley MED1405, Robotic ES carrier MED1455, Niagara robotic slip luer tubing MED10044A, 3/5 level variable carrier MED1437, 3/5 level variable carrier kit MED1449 includes 2-1 ½ DIN tray with flush accessory MED1499, 8-full DIN basket M20044, 10-half DIN baskets M20043, 1 pack of 72 mixed distal connectors, 4 hose & 2 luer assembly (24cm ea – 2 packs of 24) 3E-Zyme Scope Plus MEDIS-20029

Niagara SI Ultrasonic

Pressure Flushing for Narrow Lumened Devices

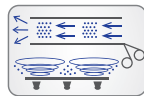
The Niagara SI Ultrasonic offers an exceptionally fast process for both complex and general instrumentation. Its unique delivery system ensures high pressure fluid is fed to each and every lumened instrument, while the unique combination of **Sonic Irrigation** and conventional washing coupled with our **Pulsed Flush** system achieve an exceptionally high standard of cleaning.

Validated to reprocess:

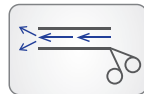
Complex Instruments, Laparoscopic Instruments, Ophthalmic Instruments, Neuro Instruments, Orthopaedic instruments, general instruments

Benefits & features include:

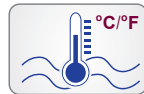
- High volume W/D
- 29 min cycle to ISO 15883
- Combine ultrasonic programming
- Sonic Irrigation
- 15 DIN capacity
- Up to 144 lumened instruments
- Lumen air purge
- Ultrasonic cleaning
- Space and time saving no pre cleaning cycle required
- Fully traceability system compatibility



Sonic Irrigation



Lumen Flush



Thermal Disinfection



Deluge Wash



Fast Cycle Time



Machine Specification

Use: For internal and external cleaning of general surgical, anaesthesia, lumened, robotic instruments and theater shoes.

Dimensions External:

Height: 86.7"

Width: 45.3"

Depth: 42.8"

Capacity:

15 DIN Trays/ baskets

Electrical: 208-220V, 60Hz

Electrical Power: 40kW (3PH + PE)

Order # MED1412DD-STD - Niagara SI UltraSonic

Water Supply: Softened cold and hot water (Option for DI or RO water)

Air Supply: 79.7 - 101.5 PSI

Environmental: For indoor use at altitudes up to 6561ft

Operating temperature: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

Niagara SI Ultrasonic comes complete with:

1 loading / 1 unloading standard trolley MED1405, 3/5 level variable carrier MED1437, 3/5 level variable carrier kit MED1449 includes 2-1 ½ DIN tray with flush accessory MED1499, 8-full DIN basket M20044, 10-half DIN baskets M20043, 1 pack of 72 mixed distal connectors, 4 hose & 2 luer assembly (24cm ea – 2 packs of 24) 3E-Zyme Scope Plus MEDIS-20029

Niagara Express

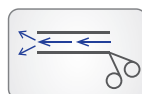
Large Capacity Washer Disinfectors for Hospitals & Surgery Centers



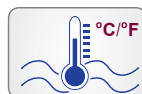
Niagara Express is an exceptionally fast washer disinfectant; achieving a <29 minute cycle for the washing, disinfection and drying of up to 15 DIN baskets of instruments, 30 pairs of operating theatre shoes, sterile containers or anesthesia accessories.

Niagara Express saves time and money by allowing greater throughput of instruments in less time, but more importantly, the Niagara Express simply fits where your old, slow washer disinfectant once stood!

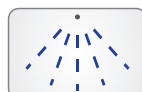
Same space, same number of washers, Twice the throughput!



Lumen Flush



Thermal Disinfection



Deluge Wash



Fast Cycle Time

Benefits & features include:

- 29 min W/D cycle
- ISO 15883 compliant
- Selectable A0 value
- Pulsed lumen flushing
- 15 DIN capacity
- 144 lumened instruments
- Intelligent load recognition
- Full traceability
- Twin Turbo™ variflow low temp drying
- Full range of accessories
- Multi carrier systems
- Ultra fast chamber fill/empty

Machine Specification

Use: For internal and external cleaning of fine surgical instruments and other lumened instruments

Dimensions (external):

Height: 86.7"

Width: 45.3"

Depth: 42.8"

Capacity - 5 Level Standard Carrier:

20 baskets

10 Full DIN baskets, 10 Half DIN baskets

Electrical Supply: 208-220V, 60Hz

Electrical Power: 40kW (3PH + PE)

Order # MED1445EXP - Niagara Express

Water Supply: Softened cold and hot water (Option for DI or RO water)

Air Supply: 79.7 - 101.5 PSI

Environmental: For indoor use at altitudes up to 6561ft

Operating temperature: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

Niagara Express comes complete with:

1 loading / 1 unloading standard trolley MED1405, 3/5 level variable carrier MED1437, 3/5 level variable carrier kit MED1449 includes 2-1 ½ DIN tray with flush accessory MED1499, 8-full DIN basket M20044, 10-half DIN baskets M20043, 1 pack of 72 mixed distal connectors, 4 hose & 2 luer assembly (24cm ea – 2 packs of 24) 3E-Zyme Scope Plus MEDIS-20029

Evo Sonic

The Evo Sonic is a single tank, floor model ultrasonic cleaner that can be upgraded to a Sonic Irrigator with Thermal Disinfection and Robotic validation. This system provides you with the basic requirements needed in a programmable, ultrasonic cleaning system with options to upgrade and expand capabilities, at any time, as the department needs and your budget grows.

Benefits & features include:

- Large capacity basin to accommodate trays up to 26" x 13.25"
- Programmable cycles for Auto fill / drain; enzyme injection; sonication; rinse
- Provides you the basic requirements needed in a programmable floor model, ultrasonic cleaning system
- Adhere to the Robotic manual IFUs today then upgrade to the validated automated cleaning process tomorrow
- Upgrade when needed – add lumen flushing, thermal disinfection or validated Robotic instrument cleaning program
- 14.75 gallons
- 40lbs of instruments
- Overflow protection
- Small footprint
- Quiet operations
- Audible cycle alarms

Start with the basic Evo Sonic system and upgrade when needed with lumen flushing, thermal disinfection or validated Robotic instrument cleaning program at any time in the future.



Machine Specification

Use: For external cleaning of surgical instruments

Dimensions (external):

Height: 41.1"

Width: 35"

Depth: 22.25"

Unit weight: 302lbs with accessories

Capacity: 44lbs of General Surgical Instruments

Electrical: 208v AC 60Hz (3PH+PE)

Electrical Power: 15kW

Water Supply: Softened cold and hot water (Option for DI or RO water)

Environmental: For indoor use at altitudes up to 6561ft

Operating temperature: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

Order # MED11140 - Evo Sonic

Reliance PC+

Medisafe ultrasonic cleaning technology offers effective decontamination of surgical instruments where risk of cross-infection means effective cleaning really can be the difference between life and death.

Our easy-to-use machines are at work throughout the world, decontaminating the most complex and delicate instrumentation.

Patient care demands rigorous cleaning but surgical instruments are expensive and need to be handled gently.

The good news is that the same ultrasonic methods can also be used to tackle cleaning problems in engineering workshops and laboratories. This is because industrial and medical cleaning have a shared objective: thoroughness, consistency and reliability.

Interlocking stainless steel lid prevents splashing, misuse and cross contamination.



Machine Specification

Use: For internal and external cleaning of general surgical instruments and lumened instruments, bowls and accessories.

Dimensions External:

| | 10L | 20L |
|---------|-------|-------|
| Height: | 12.5" | 11.8" |
| Width: | 13.1" | 21.4" |
| Depth: | 10.6" | 13.3" |

Electrical: 120Vac 60Hz

Electrical Power: 1kW

Water Supply: Softened cold and hot water (Option for DI or RO water)

Environmental: For indoor use at altitudes up to 6561ft

Operating temperature: 50°F to 104°F

Humidity: 80% RH max for temperatures up to 87.8°F, decreasing linearly to 50% RH at 104°F. Designed for pollution degree 2, i.e. not totally sealed.

Construction: High grade corrosion resistant stainless steel with a brushed finish.

Order # MED1120PC – Reliance PC+ 10L – 4 Transducer
MED1124PC – Reliance PC+ 20L – 6 Transducer

Robotic Basket E for SI PCF

Instrument Capacity: 10

The SI PCF offers an efficient and convenient way to reprocess up to 10 robotic instruments simultaneously, in this specially designed SI PCF Basket.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 5.7" | 13.4" | 27.6" |

- Order #
- MED8600 - Robotic Basket E Drop+Lock
 - MED8570 - Robotic Basket E Slide+Lock



Robotic Basket X for SI PCF

Instrument Capacity: 6

The specially designed SI PCF robotic basket can accommodate up to 6 robotic instruments. The use of extra baskets can increase departmental efficiency, allowing one basket to be prepared, while a second one is being reprocessed and a third is being unloaded.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 5.7" | 13.4" | 27.6" |

- Order #
- M18960 - Robotic Basket X Drop+Lock



Robotic Basket S for SI PCF

Instrument Capacity: 10

Specially designed to reprocess up to 10 robotic instruments simultaneously. Easy to load and secures instruments in this specially designed SI PCF basket.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 5.7" | 13.4" | 27.6" |

- Order #
- MED8604 - Robotic Basket S Drop+Lock
 - M20028A - Shaft Flush Port Adaptors (USM: 5)



SI PCF Orthopedic Basket

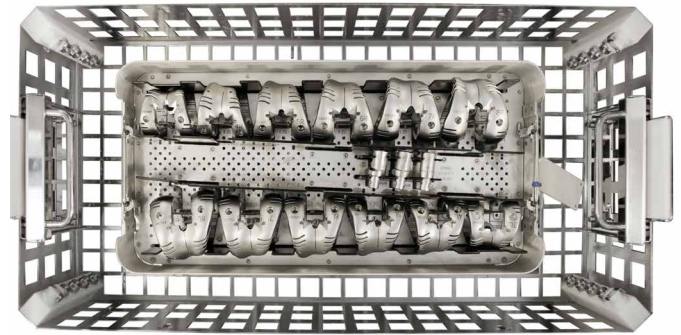
Max Weight: 30lbs

A new basket specifically designed to help you clean orthopedic and other heavily soiled instruments more effectively.

- Designed for soiled orthopedic and lumened instruments
- 16 highly efficient spray nozzles for maximum load penetration
- Combined pressure of 4 bar for effective soil removal
- 120° wide spray coverage for large loads
- Large capacity: no requirement to unload DIN baskets

| Height: | Depth: | Width: |
|---------|--------|--------|
| 5.7" | 13.4" | 27.6" |

Order # MED8603 - PCF Ortho Basket Drop+Lock
MED8503 - PCF Ortho Basket Slide+Lock



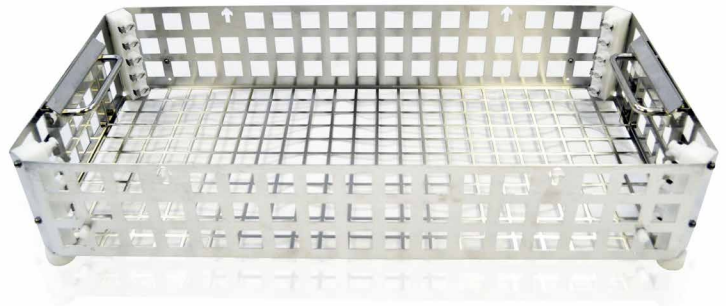
SI PCF Standard Basket

Instrument Capacity: 10

The unique design allows for a direct connection to SI-PCF flushing system, meaning no loss of pressure. Manifolds at opposite ends of the basket means that instruments which require dual flushing i.e. from each end, can be simply and easily connected, taking minimal space in the basket and therefore maximizing the load of the SI PCF.

| Height: | Depth: | Width: |
|---------|--------|--------|
| 5.7" | 13.4" | 27.6" |

Order # MED8601 - Standard Drop & Lock
MED8503 - Standard Slide & Lock



SI SA Basket & SI Digital PC⁺ Basket

Instrument Capacity: 12

Max Weight: 30lbs

Use specially designed SI SA basket to improve your instrument processing time and get more from your Sonic Irrigator SA.

Use specially designed SI Digital PC⁺ basket to improve your instrument processing time and get more from your Sonic Irrigator PC⁺ cannulated instrument cleaner.

SI SA Basket

| Height: | Depth: | Width: |
|---------|--------|--------|
| 4" | 9.5" | 23.5" |

SI Digital PC⁺ Basket

| Height: | Depth: | Width: |
|---------|--------|--------|
| 5.2" | 10.5" | 24" |

Order # MED11221 - SI SA basket
BA5009.1A - SI Digital PC⁺ Basket



SI SA Basket



SI Digital PC⁺ Basket

Full DIN with 2 Flush Manifolds

Instrument Capacity: 12

For reprocessing lumened instruments. Contains 2 flushing manifolds to allow connections for up to 12 lumened instruments. Use with Niagara Series.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 2.4" | 9.8" | 18.9" |

Order # MED1499 - Full Din with 2 flushing manifolds



Half/Full DIN Tray Standard

Use with Niagara, SI PCF and other general instrument Washer Disinfectors. Half /Full DIN basket for general instrument reprocessing requirements. Universal application for all Washer Disinfectors.

Half DIN

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 2.4" | 9.8" | 9.4" |

Full DIN

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 2.4" | 9.8" | 18.9" |

Order # M20043 - Half DIN
M20044 - Full DIN



1.5 DIN Tray with Flush Accessory

Instrument Capacity: 18

For reprocessing lumened instruments. Contains instrument organizer and flushing manifold. Up to 18 Connections for MIS instruments + 4 hose/luer irrigation ports, exchangeable port connections to accommodate different instrument types / sizes, 316 Stainless Steel. Use with Niagara series.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 2.4" | 9.8" | 28.1" |

Order # MED1425 - 1.5 DIN Tray with flush accessory



Robotic Basket for Niagara SI PCF

Instrument Capacity: 5

For transporting and reprocessing robotic instruments. Use with Niagara SI PCF and Robotic carrier (MED1426). Secure system for transporting and reprocessing expensive robotic instruments. Easy to load, lightweight, autoclavable stainless steel. Use with Niagara SI PCF

Order

MED1540 - Robotic Basket ES
MED1542 - Robotic Basket X

| Height: | Depth: | Width: |
|---------|--------|--------|
| 4.1" | 9.8" | 18.9" |



Robotic Carrier for Niagara SI PCF

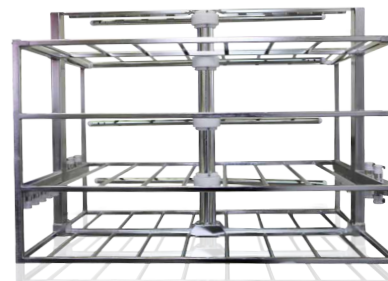
Connects up to 2 robotic baskets (MED1540 or MED1542) for simultaneous reprocessing of 10 robotic instruments in a single cycle, 4/3 multi use levels, removable top level, simultaneous counter rotation to optimize cleaning efficiency. Stainless Steel construction. Use with Niagara SI PCF

Order

MED1426- Robotic Niagara Carrier

| Height: | Depth: | Width: |
|---------|--------|--------|
| 22.4" | 30.7" | 23.4" |

Instrument Capacity: 10 and accessories
Single Level Weight Capacity: 33lbs
Total weight Capacity: 132lbs



Robotic ES Carrier for Niagara SI PCF

Designed to hold up to 20 robotic instruments and accessories. Easy to load and secures instruments in place. Additional capacity for 9 full DIN baskets. Simultaneous counter rotating spray arms to maximize cleaning efficiency and stainless steel construction. Use with Niagara SI PCF

Order

MED1455 - Robotic ES Carrier

| Height: | Depth: | Width: |
|---------|--------|--------|
| 22.4" | 30.7" | 23.4" |

Instrument Capacity: 20 and accessories
Single Level Weight Capacity: 42lbs
Total weight Capacity: 132lbs



3/5 Level Variable Carrier for Niagara Series

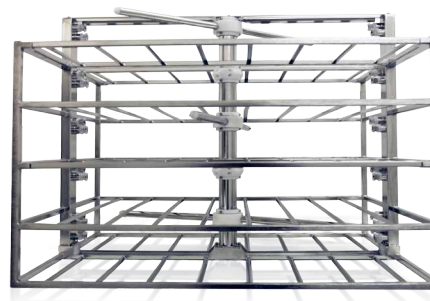
Allows one carrier to be multi-use. Easy removal of shelves turns a 5 level carrier into a 3 level carrier allowing for the reprocessing of instrument loads of increased height. 5/3 level variable, 15 DIN capacity, simultaneous counter rotating spray arms to maximize cleaning efficiency, 316 stainless steel. Use with Niagara Series

Order

MED1437 - 3/5 Level 15 DIN Carrier
MED1427 - 2/4 Level 12 Din Carrier

| Height: | Depth: | Width: |
|---------|--------|--------|
| 22.4" | 30.7" | 23.4" |

Instrument Capacity: 15 DIN
Single Level Weight Capacity: 26lbs
Total weight Capacity: 132lbs



4 DIN Carrier System For Niagara Series

Container Capacity: 4 DIN / 8 1/2 DIN

Up to 4 DIN or 8 x 1/2 DIN containers can be easily loaded plus the addition of associated lids and accessories.

Simultaneous counter rotation of spinners to maximize cleaning efficiency, flexibility to combine full or half size container, automatic program recognition, stainless steel construction.

Use with Niagara Series

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 22.4" | 30.7" | 23.4" |

Order # MED1450 - 4 DIN Carrier System



Niagara Trolley - Standard

Use to safely and quickly load carriers into the Niagara. Height of trolley can be manually adjusted so that loading/unloading can be carried out at suitable working height, stainless steel construction.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 43.1" | 28" | 42" |

Order # MED1405 - Niagara Trolley



Niagara Trolley - Adjustable Height

Use to safely and quickly load carriers into the Niagara. Height can be automatically adjusted with a touch of a button to accommodate uneven floors. The trolley can be adjusted so that loading/unloading can be carried out at suitable working height thanks to the unique lifting system. The trolley is exceptionally easy to clean and disinfect. Stainless steel construction.

| | | |
|---------|--------|--------|
| Height: | Depth: | Width: |
| 25.1" | 17.5" | 28.2" |

Order # MED1423- Niagara Trolley



SI Semi Auto Cabinet

Convert your table top Sonic Irrigator Semi Auto to a floor model with the addition of this stainless steel cabinet.

| Height: | Depth: | Width: |
|---------|--------|--------|
| 25.1" | 17.5" | 28.2" |

Order

MET110 - SI Semi Auto Cabinet



Niagara Printer Paper

Printer paper designed specifically for the built in Niagara printer.

Niagara Print Ribbon

Replacement printer ribbon for use with the built in Niagara printer.

Order

M13024-1 Niagara Printer Paper x10
M20214 - Niagara Print Ribbon x2 M20215 x1



DocMaster

The Medisafe –DocMaster- is a standalone interface module that allows your Medisafe Washer Disinfector or Sonic Irrigator to seamlessly archive the process documentation electronically.

- Paperless Process Documentation
- Network Ready
- USB Equipped
- Real-Time Data Display
- Interface with popular Instrument
- Tracking Systems
- Optional Remote Equipment Monitoring with Medisafe's 'Fast-Track Asset Service'

Order

MA1012 - DocMaster



Medi-Printer

Connect to Medisafe equipment to aid decontamination traceability. For monitoring and documenting all operational functions and parameters. High speed serial port. Thermal printer paper is sold in an economical 3 pack.

Order

MED1014A - Medi-Printer
MED414P - Printer rolls x3



Niagara Robotic Slip Luer Tubing

Easily connect robotic instruments to the flushing manifold on the Niagara SI PCF robotic carriers (MED1455 or MED1426).

Designed specially for use with robotic instruments, these hose & slip luers allow for smooth, secure connection to the flush port on the instrument housing, ensuring delivery of the cleaning solution to the instrument.

Order

MED10044A - Niagara Slip Luer Tubing x20



USM: 20

SI PCF Reinforced Slip Luer Tubing

Reinforced irrigation tubing (9.5" length) with slip luer irrigation nozzle. For easy connection of surgical or robotic instruments. Luer slips directly in to instrument flush port.

Order

M10033.10A Hard Plastic Tip x10
M100.33.10A-SS Stainless Steel Tip x10



USM: 10

SI PCF Shaft Flush Port Adaptor

For connecting your robotic instruments to your SI PCF Robotic Basket S (MED8604)

Order

M20028A - Shaft flush port adaptors x5



USM: 5

SI PCF Reinforced Luer Lock Tubing

Reinforced irrigation tubing (9.5" length) with hard nylon, luer lock irrigation nozzle for easy connection of ported surgical instruments. Luer lock connects directly to instruments flush port or Medisafe distal connectors.

Order

M10033.20A Luer Lock x20



USM: 20

SI Digital PC+ /Semi Auto Luer Lock Tubing

USM: 12

Standard irrigation tubing (9.5" length) with luer lock irrigation nozzle for easy connection of ported surgical instruments. Luer lock connects directly to instrument flush port or Medisafe distal connectors.

Order

MED3084A - Luer Lock Tubing x 12



Y Connectors

USM: 12

Double the amount of instruments you can reprocess with our convenient 'Y' connectors.

Order

MED3031.1 - Y connector x12



SI PCF Metal Filter

USM: 1

Metal dome filter for the SI PCF systems

Order

M00746 - SI PCF metal filter x1



Disposable Filters

USM: 100

Routine use of Medisafe disposable filters reduces equipment failure, service requirements and maintains maximum irrigation flow. Filter prevents debris / bioburden from entering your Medisafe Sonic Irrigation equipment, as well as keeping bioburden from re-entering the instruments you are cleaning.

Use with SI Digital PC+ and SI Semi Auto

Order

MED3080 - disposable filters x100

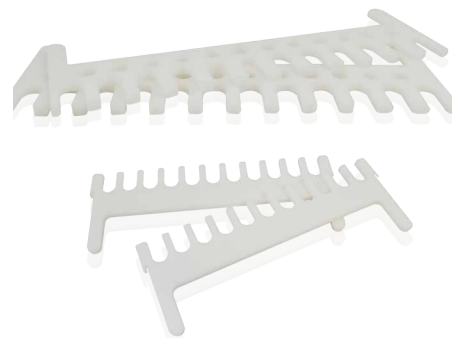


Instrument Organizers

Use the instrument organizers to arrange the load in the most efficient manner.

Order #

MED3072- SI Digital PC+
MED8165- SI SA
MED8564- SI PCF



Distal Connectors

USM:10

Easy connection of lumened instruments that do not have a luer lock/slip luer port – suitable for use with all SI Series machines.

Order #

MED1246.1.0 - Red 1mm Distal Connector
MED1246.3.0 - Blue 5mm Distal Connector
MED1246.2.0 - Yellow 8mm Distal Connector
MED1246.4.0 - Green 12mm Distal Connector



Small Distal Connectors

USM:10

Small Distal Connectors allow you to connect fine, delicate, complex or non-ported instruments to a flush system to allow irrigation of the internal parts. Suitable for use with all SI Series machines

Order #

MED5003 - Red 1mm Distal Connector
MED5013 - Blue 5mm Distal Connector
MED5023 - Yellow 8mm Distal Connector
MED5043 - Assorted Distal Connector



Single Clip over Manifold

Single flushing manifold to connect lumened instruments to reprocessing baskets. Flushing manifold with 6 connecting points for lumened instruments.

For use with the Niagara Series.

Order # MED1497 - Single Manifold



3E-Zyme

Shelf Life: 2 Years

Our triple enzymatic, concentrated cleaning solution has been specially formulated with three active enzymes to effectively clean even the most difficult cannulated / lumened instruments. Low foaming 3E-Zyme works great in a variety of cleaning situations such as presoaking instruments in ultrasonic cleaning units, tunnel washing and/or endoscope reprocessing units, pH neutral, biodegradable and environmentally friendly. Will not harm metals, glass, rubber tubing or plastics.

Order # MEDIS-12041 - 4-1 gallon case, MEDIS-12042 - 2-2.5 gallon case
MEDIS-12045 - 5 gallon pail, MEDIS-12046 - 15 gallon drum



3E-Zyme Scope Plus

Shelf Life: 2 Years

Concentrated 3E-Zyme Scope Plus cleaning solution removes organic matter and fatty deposits from surgical instruments in as little as 30 seconds. Our unique non-foaming formula allows deeper penetration and cleaning inside endoscopes, fine lumened and cannulated instruments.

Order # MEDIS-20029 - 2-2.5 gallon case



Ezee-Lube

Shelf Life: 2 Years

Ezee-Lube is a rust inhibitor and lubricant for surgical instruments. It is mixed with water to create a dip bath used for instrument soaking. Dip surgical instruments routinely in Ezee-Lube before sterilizing. Ezee-Lube maintains lubrication and retains sharpness on all instruments after autoclaving, especially those with hinged or moving parts.

Order # MEDIS-8036 - 2-2.5 gallon case



EDA+

Shelf Life: 2 Years

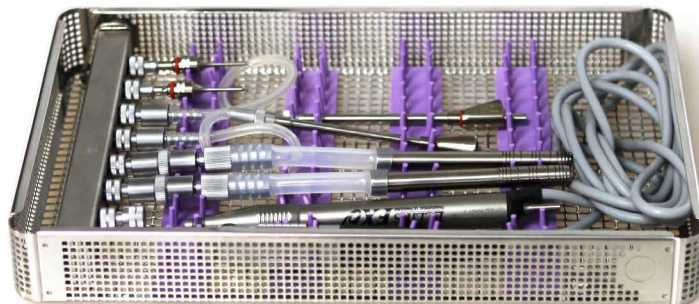
Enzyme Detergent Alkaline + is a low foaming surgical instrument cleaner and pre-soak concentrate for use with manual cleaning, washer disinfectors and ultrasonic cleaners. It's mild alkaline content is safe for use with delicate instruments. EDA+ will remove all blood, fat, carbohydrates, starches and protein.

Order # MED7701 - 10L Bottle
MED7700 - 4L Bottle



With ICTMIMS's unique flushing manifold, irrigation through the inside of your hard to clean, cannulated ophthalmic and micro-surgical instruments is quick and easy! Interchangeable luer attachments allow custom connections to your specific instrument sets.

Our uniquely designed ICTMIMS Clam Shell Kits provides you with a complete solution for instrument protection during reprocessing!



Optho ICTMIMS Clam Shell Kit

Kit includes:

- MED9000 - Optho tray with flushing manifolds x1
- MED9013 - Standard Phaco Pluming Kit x2
- MED9055 - Luer Lock M/M/4 x2
- MED9053 - Luer Lock M/F x4
- MED9054 - Slip Luer M/M x3
- MED9014 - Blanking Plug Single x3
- MED9056 - 5mm Connection Tube x1

| Height: | Depth: | Width: |
|---------|--------|--------|
| 1.7" | 6.3" | 10.2" |



Order # MED9100

Full Euro ICTMIMS Clam Shell Kit

Kit includes:

- MED9004 - Full Euro tray with flushing manifolds x1
- MED9007 - Flushing Manifold x1
- MED9013 - Standard Phaco Pluming Kit x2
- MED9055 - Luer Lock M/M/4 x2
- MED9054 - Slip Luer M/M x3
- MED9053 - Luer Lock M/F x4
- MED9014 - Blanking Plug Single x3
- MED9056 - 5mm Connection Tube x1

| Height: | Depth: | Width: |
|---------|--------|--------|
| 1.7" | 19" | 9.8" |



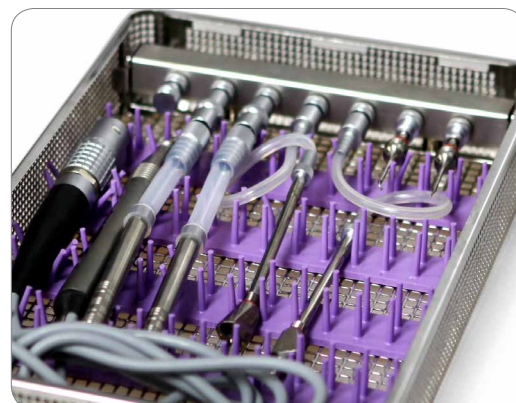
Order # MED9102

Half Euro ICTMIMS Clam Shell Kit

Kit includes:

- MED9003 - Half Euro tray with flushing manifolds x1
- MED9007 - Flushing Manifold x1
- MED9013 - Standard Phaco Pluming Kit x2
- MED9055 - Luer Lock M/M/4 x2
- MED9054 - Slip Luer M/M x3
- MED9053 - Luer Lock M/F x4
- MED9014 - Blanking Plug Single x3
- MED9056 - 5mm Connection Tube x1

| Height: | Depth: | Width: |
|---------|--------|--------|
| 1.7" | 6.3" | 9.8" |



Order # MED9101

Flushing Manifold

Supplied complete with quick connect hose.
For use with all ICTMIMS Clam Shell

Order #
MED9007- Flushing Manifold



Standard Phaco Plumbing Kit

Standard phaco plumbing kit.
Supplied complete with components shown.
For use with all ICTMIMS Clam Shell

Order #
MED9013- Standard Phaco Plumbing Kit



Blanking Plugs

For use with MED9007
Order # MED 9014 - 6 pack



Millipede Moulding Replacement

Supplied as shown, for use with all ICTMIMS Clam Shell
Order # MED8162



Single/Double Pressure Ball Strip Replacement

Single ball strip - 9 inches length
Double ball strip - 39 inches length

Order #
MED8163 - Single Ball Strip
MED8159 - Double Ball Strip





Point of Use Preparation Kit

Medisafe offers a complete range of instrument cleaning products to aid your cleaning process.

EN ISO 15883-2: 2009 “The efficacy of disinfection can be impaired if soil removal is incomplete before the start of the disinfection process. Users should be aware that some medical devices might require pre-treatment”

DOH, CFPP 01-01, Page 20 “Prions are hydrophobic proteins. The attachment of hydrophobic proteins to surfaces becomes less reversible if they are allowed to dry fully onto a surface. Keeping the environment around soiled instruments at or near saturation humidities (moist) prevents full attachment of hydrophobic proteins such that they are more efficiently removed by cleaning.”

Duck Bag (Humidity Pack)

- No addition of water required: bags include 3E-Zyme Sachet
- Prevents gross bioburden from drying on instrument

The Medisafe Duck Bag is an instrument bag, designed to maintain a safe and sealed humid environment for contaminated instruments. It can be used for the following applications: domiciliary care, out of hours emergencies, overnight and weekends and as a pre-soak if waiting for a full load (w/d).

Order

M20350 - Half DIN (16.5" wide 16.9" deep)
 M20351 - Full DIN (16.5" wide 26.4" deep)
 M20352 - Double DIN (25.2" wide 29.9" deep)



Distal Duck Kit

- For use with robotic, lumened and all surgical instruments
- Retains moisture around distal tips – easy cleaning
- Use as instrument soaker between point of use (OR) and reprocessing (CS/SPD)
- Distal Duck is also an instrument protector
- Includes syringe and solution for flushing main port
- Includes Duck Bag, keeps whole instrument moist during transport
- Quick and convenient to use

As recommended by leading surgical instrument manufacturers, keeping instruments moist immediately after use is a critical first step to effective "point of use preparation", safe transport and subsequent decontamination.

Order

M20400 - 1x Point of Use Preparation Kit



Distal Tip Soaker

- Suitable for all instruments Check with instrument manufacturer's IFU
- 4 Active Enzymes - works at room temperature
- pH Neutral - non-corrosive
- Safe, quick and convenient to use
- No more pre-soaking in CS/SPD

Use the Medisafe Distal Tip Soaker to keep complex instruments moist after use. The effective 4-Zyme pre-soaking solution is safe for use with all complex surgical instruments, pH neutral (non corrosive), residual free and safe for instrument transportation.

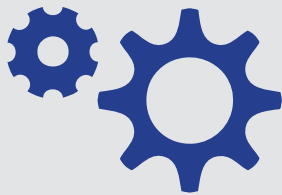
Order

M20413 - 250 Vials



Service, Spare Parts & Maintenance

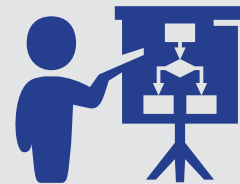
Medisafe's outstanding assistance in service, spare parts and maintenance is exceptional. We offer a range of packages including:



Maintenance & Preventative Maintenance

As with all technical precision equipment your Medisafe machine requires regular maintenance. As such we provide maintenance contracts for:

- Niagara series
- SI PCF Series
- PCF PRO Series
- SI SA
- SI Digital PC+



Support

Medisafe provides genuine spare parts and exceptional service, we offer a range of support options:

Genuine Spare Parts, including:

- Perishable/Maintenance components
- Critical components
- Modifications and Upgrades
- Service Packs – This has all the parts that are required to be replaced annually
- Engineering Services

To talk through your needs, please contact our corporate office:

Medisafe America

T: 1-877-444-6334

E: support@medisafeamerica.com

9423 Corporate Lake Dr. Tampa, FL 33634

www.medisafeamerica.com/our-products/service-depart

Inquiry@medisafeamerica.com

www.medisafeamerica.com

Want to see our products in action?

Please head to: **www.youtube.com/user/MedisafeAmericaLLC**

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